
IV. Program Activities for Fiscal Year 1993

Management Assessments

In the coming year, the Management Conference will have available the results of the Bay-wide management evaluation project entitled *Framework for Action--The Governance of Galveston Bay*. These results will be utilized by the Action Plan Task Forces for drafting the CCMP. In particular, the Framework for Action Task Force will be translating the findings of this project into specific initiatives. Four projects to be contracted this year in support of this program are described below.

CCMP Action Plan Costing. This project is the second step of four initiatives leading to a CCMP Funding Strategy: (1) A Funding Source Inventory scheduled for completion in August, 1992; (2) CCMP Action Plan Costing to estimate costs of management alternatives proposed by the CCMP Task Forces (this project); (3) Establishment of a Financial Planning Committee to rank funding sources and establish a strategy; and (4) Drafting of the CCMP Financial Plan by Spring, 1993.

Management alternatives will first be developed at a broad level by Action Plan Task Forces during Spring, Summer, and early Fall, 1992. These alternatives would be communicated to the contractor late Fall, 1992, and the contractor would produce cost estimates based on the best information available by this time. Because the management alternatives developed by this time would not be final, the estimates could involve a fairly wide variance. The purpose of this project is to make estimated costs of various management alternatives available to the Financial Planning Committee to be appointed by the Policy Committee. The work is ultimately required for cost estimates in the CCMP itself (produced in FY 1994) to enable an implementation plan.

Funding Requirement 60 K

CCMP Task Force Support. Contract support for sixteen Action Planning Task Forces convened to facilitate drafting of the action plans which will constitute the CCMP. This work involves technical information compilation and writing. Specific objectives include: attendance at approximately 50 task force meetings, and recording of task force deliberations and findings on lap-top computer; compilation of these findings in the format specified by the GBNEP Management Conference; background research and incorporation of findings in the developing action plans; delivery of action plan revisions to the Program Office, coordinated for distribution to task forces; compilation of decision briefs to facilitate review of action plans by task forces and the management conference; and general integration and coordination support for the task forces.

Funding Requirement 70 K

Bay Characterization Support. Contract support for drafting a Galveston Bay Characterization Report due August, 1993, including coordination with authors attending a related symposium during Fall, 1992. Work will involve coordination of multiple authors' contributions to the Characterization Report to be published in a format specified by the GBNEP Management Conference. Specific elements include: drafting of preliminary introduction and overview sections of document in concert with Program Office staff; distributing chapter "assignments" to authors in a specified format; coordinating author contributions and presentations at the "State of the Bay Symposium" to facilitate development of the Characterization Report in the specified format; compiling/editing the draft Characterization Report; coordinating several rounds of review/revisions by GBNEP Management Conference participants and outside technical experts; compiling final approved document in camera-ready format for delivery to printer.

Funding Requirement 70 K

Natural Resource Economics of Bay Use. A natural resource and economic valuation study organized by human use categories, which emphasizes the overall value of Galveston Bay as a sustainable human life-support system. This project would expand on a previous GBNEP socioeconomics study, but would involve non-traditional natural resource economics to overcome the well-recognized problems of traditional economics applied to natural resources. This project would help establish a realistic estimate of the value of Galveston Bay to Texas and the Nation. Secondary benefit of project would provide synopsis of uses of Galveston Bay, to comply with the language of Section 320 of the WQA: "Assess the trends in water quality, natural resources, and uses of the estuary." A report will be produced for wide distribution which will help communicate the overall value of this estuary to help scale the management initiatives proposed under the CCMP.

Funding Requirement 100 K

Program Office/Overhead. Expenditures in this category support the Program Office and GBNEP Staff through salaries, related fringe and indirect costs, travel, capital items like computer software, and other items associated with work under this element. The equivalent of two full time staff are allocated for this element.

Funding Requirement 154.1 K

Scientific/Technical Assessments

This element reflects primarily the "Characterization" guidance item in the EPA/State Management Conference Agreement, and is accomplished under the direction of the Scientific/Technical Advisory Committee. Drafting of the *Galveston Bay Environmental Characterization Report* will occur during the coming year. This effort will be accomplished with a combination of staff, Management Conference, and contract support efforts. Numerous project principal investigators and STAC scientists will help author the document, and a symposium will be closely tied to this effort. Other work coordinated by the STAC will include filling in knowledge gaps concerning untreated effluent impacts and Bay debris, and a planning initiative for monitoring. Specific projects requiring funds and described in this work plan will address: the Galveston Bay Literature Survey; Bay-wide Monitoring/Data Management; Untreated/Partially Treated Effluent Study; Characterization of Bay Debris; and the State of the Bay Symposium.

Bay-wide Monitoring and Data Management Strategy. This project will develop an integrated, ecosystem-level monitoring plan for Galveston Bay. The plan will unify current resource agency efforts into a statistically appropriate, quality-assured plan to measure eventual effectiveness of GBNEP CCMP Action Plans and to provide baseline information on the health of the estuary. Development of the monitoring strategy will utilize National Academy of Science recommendations, progressive monitoring plans from other estuaries, emerging new technology from EPA EMAP and NOAA National Status and Trends studies, NEP monitoring guidance, and the GBNEP Segmentation Study. The project will include a data management component to assure the resulting data are efficiently compiled and converted to meaningful and timely information for resource managers and the public.

Funding Requirement 100 K

Untreated/Partially Treated Effluent Loadings. This project will develop a document which characterizes the magnitude and potential effects associated with raw or partially treated sewage entering the Bay. Existing information on sources of untreated effluent such as sewage bypasses, overflows, and exfiltration outflows will have previously been compiled. Additional information regarding sources of partially treated effluent from septic tank systems will also have been compiled. The effort to compile the above information will have been completed by a variety of federal, state, and local entities. The purpose of this project is to summarize this information in a single document for inclusion in the GBNEP Publication Series.

Funding Requirement 10 K

Characterization of Bay Debris. Marine debris has been identified as a concern throughout the Gulf of Mexico. Within Galveston Bay, debris (including shoreline, floating, and submerged) has specifically been identified as a Priority

Problem and consequently must be characterized to facilitate future management efforts. This study would attempt to characterize the magnitude and potential impacts to Galveston Bay associated with debris, by carrying out a volunteer "clean-up" primarily designed to quantify the debris problem. The study will be developed and conducted primarily by cost share contributions by the STAC, Texas Parks and Wildlife Department, General Land Office, and members of the Citizens Advisory Steering Committee, with collection of data by a volunteer force during Summer, 1992. This funded portion of the study is for a contract for compilation of data, statistical analysis, and report writing.

Funding Requirement 9.5 K

State of the Bay Symposium. An integral step in developing the GBNEP Characterization Report will be a technical symposium to be held Fall, 1992. An initial workshop convened February, 1991 focused on Bay research currently underway, and drew together management-related work from a variety of disciplines. This meeting will utilize a similar unifying theme, but in a much more focused format. The agenda for this workshop will closely mirror the outline for the Characterization Report, and invited speakers will specifically address the "State of the Bay" for Priority Problems and their related status, trends, and probable causes. Information from these discussions, combined with written, peer-reviewed contributions drafted in a common format by Symposium authors, will form the core of the characterization report. An additional emphasis will be on identifying information gaps related to comprehensive estuary management, to strengthen the Research CCMP Action Plan.

Funding Requirement 10 K

Galveston Bay Literature Survey. During FY 1993, the Galveston Bay Information Center is expected to continue support of GBNEP Scientific/Technical efforts. Several specific technical roles for the Information Center and Literature Survey are planned. One project element is an update of the electronic literature survey and a 1993 supplement to the printed bibliography. This updated bibliography would contain all citations identified in GBNEP Characterization reports including annotated bibliographies supplied by some contractors. Having this information available in an electronically searchable form will provide valuable support for the CCMP task forces and the characterization effort. Continued acquisition of works cited in the Bibliography will enhance the reference collection. Additional work will include support for the Data and Information Management Strategy (DIMS), including archiving of GBNEP Characterization Study results. Public accessibility elements will be administered through the Citizen's Advisory Steering Committee, rather than as a technical function.

Funding Requirement 35 K

Program Office/Overhead. Expenditures in this category support the Program Office and GBNEP Staff through salaries, related fringe and indirect costs, travel, capital items like computer software, and other necessary expenditures. The

equivalent of one and a half full time staff are allocated to this element.

Funding Requirement 99.3 K

Public Participation

This element is an ongoing activity affecting all work carried out by the GBNEP, and is accomplished by initiatives of the CASC. Increased emphasis is planned for this element in comparison to previous years, as the completion of the CCMP approaches. In general, public participation will become more focused on management initiatives related to the CCMP, taking advantage of momentum from successful projects accomplished during the first three years. Specific projects requiring funds are: BayLine Newsletter; Publication Series; Speaker's Bureau/Public Meetings; Portable Information Display; Citizen's Monitoring; Bay Day; Pollution Awareness and Reporting; Education; Galveston Bay Information Center; Media Relations; Local Government Advisory Committee; and Staffing Increase.

Galveston Bay Information Center (GBIC). The GBIC is a Bay area center to house the special reference collection of Galveston Bay literature and media for use by the scientific community and general public. This project includes two major components. First is creation of a five-year strategic plan for the GBIC, providing a clear vision for the future of the Center. It would describe the long-term maintenance and acquisition plans for the Center. Second is development of User's Guides describing all aspects and features available for public use. Continued library support for CCMP Action Plan Task Forces and for drafting of the Characterization Report would also be a part of this project. This would include support for GBNEP staff, CCMP Action Plan Task Forces, and Conference members--support such as inter-library loans and reference material check-out for Conference use.

Funding Requirement 10 K

BayLine Newsletter. *BayLine* is produced by the staff with articles contributed by a variety of organizations and individuals in the Bay area. *BayLine* will include: Updates on the development of the CCMP, summaries of the published GBNEP reports, requests for public involvement with volunteer projects, and requests for information and input on specific issues that affect the development of the CCMP. The main topics vary depending on the current information and issues. *BayLine* addresses all elements of the Priority Problems List. The GBNEP newsletter will be produced on an as-needed basis with a minimum of three issues annually. The Program will continue to expand the mail list and identify additional alternative distribution channels.

Funding Requirement 15 K

Publication Series. Publication and distribution of program reports and other printed materials. Results of projects contributing to development of the CCMP will continue to be published by the Program. Distribution channels will be carefully targeted and increased through publication placement in appropriate bookstores, nature centers and educational institutions to develop the maximum participation in CCMP development and general awareness of the Bay.

Publications will include:

"Green cover" project report series

State of the Bay - a major publication for wide distribution

Topical fact sheets targeted to specific audiences

Reprints of various GBNEP publications, as necessary

Bay user group literature translated into appropriate languages

Miscellaneous Publications

Funding Requirement 117 K

Speaker's Bureau/Public Meetings. This project represents a central element of public involvement with CCMP development. The primary thrust of this project will be in Speaker's Bureau development to take the program message to existing audiences associated with outside groups. The Speaker's Bureau was greatly strengthened in FY 1992, representing an improvement over the public meeting approach utilized early in the Program. Public meetings will continue to be utilized at key points in the Program, particularly for the CCMP review cycle. Related activity will include: use of postage-paid Public Forum feedback forms for audiences; maintenance of contact with targeted groups to ensure continuity of involvement with the developing CCMP; and message development and target marketing for key themes like release of the "State of the Bay" publication. Funding will be used to improve presentation resources available to staff and volunteers, including slide shows/maps/graphics, equipment maintenance, and other incidental costs.

Funding Requirement 14 K

Portable Information Display. The display will be updated to reflect citizen involvement in GBNEP projects and CCMP development as needed. Consideration will be given to rotating elements of the exhibit to target the intended audience. Increased use of the display will be accomplished by placing it in public places for several week intervals (i.e., libraries, court houses, club houses). Funding will be used for shipping, maintenance, photo print updates, and space rental.

Funding Requirement 2 K

Citizen's Monitoring. Through this project, citizens from the Bay area continue to have the opportunity to directly support Galveston Bay management through a "hands-on" activity. The Citizen's Monitoring project has a three-year history under contract to the Texas Water Commission. During development, key aspects of the program were established: a monitoring manual; QA/QC training protocol and sessions; standardized forms; and establishment of a Citizen's Monitoring organization for the Armand Bayou pilot phase. This project will now fund an outside contractor to initiate Bay-wide Citizen's Monitoring. Elements include: attracting and coordinating volunteers; selecting sites throughout the Bay; providing staff support; and purchasing additional equipment. The project will

also include continued coordination with the Texas Water Commission for training and data management, and GBNEP staff development of a Citizen's Monitoring brochure.

Funding Requirement 28 K

Bay Day. A major annual festival was established by previous work under this project, in cooperation with the Galveston Bay Foundation. This project will continue this festival with the third annual Bay Day, and will help assure the event becomes a permanent, self-sustaining endeavor. The purpose of Bay Day is to call attention to Galveston Bay, and all aspects of its management and uses, by providing Bay-oriented family activities for all ages. The event is volunteer-intensive with heavy involvement by the GBNEP Public Forum and volunteers from outside organizations. Many activities are education-oriented, with numerous booths and educational activities. In addition, GBNEP's exhibit at Bay Day will provide opportunity to further increase the BayLine mailing list and the list of Public Forum volunteers who may want to be involved in other projects.

Funding Requirement 25 K

Pollution Awareness and Reporting Campaign. This project is designed to increase awareness of pollution, to stimulate increased reporting, and discourage illegal pollution activities. The project will be closely coordinated with the Pollution Reporting Hotline, an effort established in FY 1992 for the five-county area surrounding the Bay, but will not duplicate the efforts identified in that project. The program will also focus on nonpoint source pollution prevention. One goal of the project is an increase in the public concern for the Bay that will contribute to implementation of pollution prevention, reporting, and enforcement actions under the CCMP.

Funding Requirement 25 K

Youth Education and Outreach. GBNEP will continue to work with existing educational institutions (museums, nature centers, etc.) to develop programs about the Bay to promote general awareness of estuarine conservation that will strengthen the CCMP and improve its acceptance. For example, nonpoint source pollution reduction will be a major element of the CCMP, and must include a strong educational emphasis. Some specific strategies include: specific cooperative programs with such organizations as Partners for Houston; an essay contest for area middle-school youngsters; an awards program to encourage science projects related to Galveston Bay; continuation of the highly successful Galveston Bay Calendar Art Contest; and student book covers with an educational message about the Bay.

One special element of the education project utilizes trained volunteers for school teaching programs. The Galveston Bay Docent Program will involve contracting with an organization to implement a program and activities designed specifically for students. This program will focus on the Galveston Bay ecosystem and will

involve docents (trained volunteer teachers) for classroom presentation utilizing a special curriculum. Coordination with area schools for wide Bay-area exposure to topics that will be included in the CCMP is an element of this effort.

Funding Requirement 40 K

Media Relations. The success of the GBNEP is directly related to the public support and enthusiasm generated by the program to ultimately lead to public support and funding for the CCMP. To this end, active media participation in all aspects of the GBNEP is invited and encouraged. This project addresses the need for the GBNEP to educate and work with the media in the Galveston Bay area for this purpose, and includes: television and/or radio public service announcements; reporting on the progress of CCMP development and soliciting public input (work done with outside contractors where appropriate); and press tours and conferences.

Funding Requirement 15 K

Staffing Increase. The GBNEP Management Conference has made the decision to keep most elements of public participation as staff projects, as opposed to outside contracts to public relations firms. This requires a staffing increase to elevate a public participation secretary position from half time to full time.

Funding Requirement 13.4 K

Local Government Advisory Committee. The CASC will assist the LGAC in establishing strong local involvement in the development of the CCMP. This project will provide minimal funding to facilitate this process. Specific projects could include hosting a conference for Local Government officials in the Galveston Bay area. This idea was recently approved in concept by the Management Conference as one element of changes proposed to increase the participation of the LGAC in activities related to the CCMP. The theme and agenda for this conference would be determined by the Management Conference at a future time.

Funding Requirement 10 K

Program Office/Overhead. Expenditures in this category support the Program Office and GBNEP Staff through salaries, related fringe and indirect costs, travel, capital items like computer software, and other items associated with work under this element. A decision was made early in the Program to conduct most Public Participation projects from the Program Office, rather than via outside contract. The equivalent of two and a half full time staff are allocated to this element. This will be increased to three in FY 1993 based on the Staffing Increase noted separately above. An additional staff member has been present in FY 1992 as Hotline Coordinator, under separate funding. Results from the Hotline demonstration year (FY 1992) will determine whether the Hotline Coordinator

position will be funded by the Texas Water Commission in FY 1993.

Funding Requirement

145 K

Program Administration

A Program Director and support staff will continue to guide the GBNEP toward the goals of the Management Conference. Roles of the Program Office continue to include staff support of committees, program planning, project contract procurement and coordination, interagency coordination and communication, and administrative coordination with EPA. These activities have been refined throughout the first three years of the program.

Management Conference Workshop. Each year of the GBNEP Management Conference, a spring workshop has been convened involving all members of all committees. This Workshop has been highly successful in contributing to consensus-building, since it is the only occasion all members of the Management Conference meet in one place. The agenda, as in the past, will include individual committee meetings, each scheduled to allow members of other committees to sit in. In addition, plenary sessions with outside speakers are planned, and a final Policy Committee meeting to which the entire Management Conference is invited.

Funding Requirement 10 K

Program Office/Overhead. Expenditures in this category support the Program Office and GBNEP Staff through salaries, related fringe and indirect costs, travel, capital items like computer software, and other routine items associated with work under this element. The equivalent of one and a half full time staff are allocated for this element. In addition, this element includes all expenses related to office space lease, equipment repair, meeting room rental, telephone charges, and outside copy services.

Funding Requirement 200.9 K

Action Plan Demonstration Projects

In Fiscal Years 1990, 1991, and 1992, funds were sought and received from the EPA for Action Plan Demonstration Projects. These projects are designed to initiate early actions in management implementation of the sort that will eventually be implemented Bay-wide under the CCMP. In 1990, a two year project was funded which successfully created two new Texas Coastal Preserves for Christmas Bay and Armand Bayou. In 1991, a project was implemented to restore fringing salt marsh habitat for living resource benefits and erosion protection. In 1992, a project was initiated to reduce toxicity in the Houston Ship Channel by working cooperatively with the industries having the greatest potential contributions to this problem. Also in 1992 a Pollution Reporting Hotline was successfully initiated to enable one-call reporting by citizens.

Table 2. Fiscal Year 1993 Project Summary and Budget¹

Program Element	Project	Funding
MANAGEMENT ASSESSMENTS	CCMP Action Plan Costing	60,000
	CCMP Task Force Support	70,000
	Bay Characterization Support	70,000
\$ 454,140	Natural Resource Economics of Bay Use	100,000
	Program Office/Overhead	154,140
SCIENTIFIC/ TECHNICAL	Bay-wide Monitoring/Data Management	100,000
	Untreated/Partially Treated Effluent Loadings	10,000
	Characterization of Bay Debris	9,500
\$ 263,823	State of the Bay Symposium	10,000
	Galveston Bay Literature Survey	35,000
	Program Office/Overhead	99,323
PUBLIC PARTICIPATION	Galveston Bay Information Center	10,000
	BayLine Newsletter	15,000
	Publication Series	117,000
\$ 459,402	Speaker's Bureau/Public Meetings	14,000
	Portable Information Display	2,000
	Citizen's Monitoring	28,000
	Bay Day	25,000
	Pollution Awareness and Reporting	25,000
	Education	40,000
	Media Relations	15,000
	Local Government Advisory Committee	10,000
	Staffing Increase	13,400
	Program Office/Overhead	145,002
ADMINISTRATION	Management Conference Workshop	10,000
\$ 210,880	Program Office/Overhead	200,880
TOTAL		1,388,245

¹ This allocation has been agreed upon by the GBNEP Management Conference, and will be formalized in the FY 1993 Cooperative agreement Work Plan. Although changes are not anticipated in this allocation, some minor adjustments may result as the program budget is completed prior to the grant award itself via the FY 1993 Cooperative Agreement between the Texas Water Commission and EPA Region 6.

Table 3.
Project Status Table, Fiscal Year 1993

Project	Management	Responsible Organization	Cost (1,000s)				Product(s)/ Results	Date
	Conference Purpose ¹		1990	1991	1992	1993		
<i>Management Assessments</i>								
Bay-Wide Management Survey	4-5	University of Texas at Austin			60		Report	8/92
Bay-Wide Management Evaluation	4-5	University of Texas at Austin			175		Report	8/91
Segmentation of Galveston Bay	4-5	Jones and Neuse, Inc.		25			Report, Map	8/91
History of Resource Utilization	4	University of Houston-Clear Lake		15			Report	8/91
Socioeconomics of Bay Utilization	1,4	University of Houston-Clear Lake		50			Report	8/91
Natural Resource Economics	1,4	NOT AWARDED				100	Report	8/93
Funding Source Inventory	4-6	University of Texas at Austin			25		Report	8/92
CCMP Action Plan Costing	4-6	NOT AWARDED				60	Report	8/93
Bay Characterization Support	1-3	NOT AWARDED				70	Report	8/93
CCMP Task Force Support	4-6	NOT AWARDED				70	CCMP	9/93
<i>Scientific / Technical</i>								
Point Source Loading Study	1-3	University of Texas at Austin		60			Report	8/91
Shoreline Survey for Point Sources	3	Texas A&M University, GERG	30				Report	8/91
Nonpoint Source Loading Study	1-3	Groundwater Services, Inc.		125			Report, GIS	8/91
Untreated Effluent Loadings	1-3	NOT AWARDED				10	Report	8/93
Ambient Water/Sediment Quality	1-3	University of Texas at Austin		100			Report	8/91
Dredge/Fill Impacts	1-3	University of Texas at Austin			25		Report	8/92
Toxicants in Aquatic Organisms	1-3	Texas A&M University, GERG	140				Report	8/90
Toxicants in Sediment and Benthos	1-3	U. S. Fish and Wildlife Service			100		Report	8/92
Oyster Survey	1-3	Texas A&M University	80		30		Report, GIS	8/92
Living Resources Trends	1-2	Texas Parks and Wildlife Department		125	40		Report	8/91
Trawling By-Catch	1-3	National Marine Fisheries Service			65		Report	8/92

Table 3 (Cont.)

Project	Management Conference Purpose ¹	Responsible Organization	Cost (1,000s)				Product(s)/ Results	Date
			1990	1991	1992	1993		

Scientific/Technical (Cont.)

Recreational By-Catch	1-3	FTN Associates, LTD			10		Report	8/92
Non-Fishing Incidental Mortality	1-3	Jones and Neuse, Inc.			15		Report	8/92
Wetland Habitat Survey	1-2	Bureau of Economic Geology	40	151	50		Report, GIS	8/92
Ecosystem Conceptual Model	1-4	McFarlane & Associates			15		Report, Diagrams	8/92
Bay Debris Survey	2	NOT AWARDED				9.5	Report	8/93
Public Health Synopsis	1-3	Espey, Huston & Associates			40		Report, Maps	8/92
Monitoring/Data Management	6	NOT AWARDED				100	Bay-Wide Strategy	8/92
Data Base Inventory	2,4	University of Texas at Austin	57.5				Report, Database	8/90
Galveston Bay Information Center	4	Texas A&M at Galveston; TIO	135	100	60	45	Facility; Collection	Ongoing
Galveston Bay Bibliography	4	Texas A&M at Galveston; TIO	(within above project)				Report, Database	8/92
Acquisition: 1930 Aerial Photo Set	4	TOBIN	16.3				Photo Set	8/90
Characterization Workshop	1-3	GBNEP Program Office	(within overhead funding)				Meeting; Proceedings	2/91
State of the Bay Symposium	1-3	GBNEP Program Office				10	Meeting; Report	11/92

Coastal Preserves

Nomination for Preserve Status	1-6	Bureau of Economic Geology	15				Slides, Maps	2/90
Tide Gauge Recon/Purchase	1-6	General Land Office	23.7				Tide Gauges	8/90
Tide Gauge Installation	1-6	General Land Office		27.5				8/91
Environmental Inventories	1-2	Galveston Bay Foundation	28				Two Reports	8/90
Regulatory Surveys	4-5	Houston-Galveston Area Council	22				Two Reports	8/90
Regulatory Evaluations	4-5	Houston-Galveston Area Council	22				Two Reports	8/90
Phase I Management Plans	4	Texas Parks and Wildlife Department	5					
Phase II Management Plans	4	Texas Parks and Wildlife Department		30			Management Plans	8/91
Phase I Management Implementation	5	Texas Parks and Wildlife Department		6				
Phase II Management Implementation	5	Texas Parks and Wildlife Department			30.5		Implementation	8/92
Public Participation for Preserves	4	GBNEP Program Office	1.6					

Table 3 (Cont.)

Project	Management Conference Purpose ¹	Responsible Organization	Cost (1,000s)				Product(s)/ Results	Date
			1990	1991	1992	1993		
<i>Public Participation</i>								
Citizens' Monitoring I	1-3	Texas Water Commission	25				Monitoring Plan	8/90
Citizens' Monitoring II	1-3	Texas Water Commission		25	25		Establish Pilot	
Citizens' Monitoring III	1-3	NOT AWARDED				25	Expand Bay-Wide	8/93
BayLine Newsletter	All	GBNEP Program Office	8	10	10	15	Newsletters	Ongoing
Portable Information Display	All	GBNEP Program Office	1.5	2	2	2	Traveling Display	Ongoing
GBNEP Publication Series	All	GBNEP Program Office	26.6	54.8	88.1	117	Publications	Ongoing
Video: Public Service Announcement	All	Texas Water Commission	7.5				PSA	8/90
Video: User Conflicts	All	University of Houston	12.7				Video	8/90
Video: Oyster Conservation	All	University of Houston	13				Video	8/90
Video: Galveston Bay Ecosystem	All	Texas Water Commission		17			Video	8/91
Video: 3-4 Minute Promotional	All	Texas Water Commission		2.5			Video	8/91
Bay Day	All	Galveston Bay Foundation	4.5	25	25	25	Annual Festival	Ongoing
Youth Education/Outreach	All	GBNEP Program Office	3	25	30	40		Ongoing
Pollution Awareness/Reporting	All	GBNEP Program Office				25		
Media Relations	All	GBNEP Program Office	3			15		Ongoing
Special Kickoff Events	All	GBNEP Program Office	4.8				Kickoff Ceremonies	
Consensus-Building Survey/Training	All	University of Houston-Clear Lake	5.4				Report; Training	8/90
Local Government Advisory Comm.	All	GBNEP Program Office				10		
Speakers Bureau/Public Meetings	All	GBNEP Program Office	11.5	17	7	14		Ongoing
Promotions	All	GBNEP Program Office		5	10			
<i>Administration</i>								
Management Conference Workshop	All	GBNEP Program Office	8.8			10	Annual Workshop	Ongoing

Table 3 (Cont.)

Project	Management Conference Purpose ¹	Responsible Organization	Cost (1,000s)				Product(s)/ Results	Date
			1990	1991	1992	1993		
<i>Early Action / Demonstration</i>								
Shoreline Erosion/Habitat Creation	5	U. S. Soil Conservation Service	130				Created Wetlands	
Ship Channel Pollution Prevention	5	Texas Water Commission		133.3			Industry Education	
Pollution Hotline Campaign	5	Texas Water Commission	9.5					
Pollution Hotline Reporting System	5	Galveston Bay Foundation	20				Hotline Plan	8/91
Pollution Hotline Implementation	5	Texas Water Commission		133.3			Operational Hotline	Ongoing

¹ The Water Quality Act of 1987 has outlined seven purposes for National Estuary Programs:

- Purpose 1. Assess trends in water quality, natural resources, and uses of the estuary.
- Purpose 2. Collect, characterize, and assess data on toxics, nutrients, and natural resources within the estuarine zone to identify the causes of environmental problems.
- Purpose 3. Develop the relationship between the in place loads and point and nonpoint loadings of pollutants to the estuarine zone and the potential uses of the zone, water quality, and natural resources.
- Purpose 4. Develop a comprehensive conservation and management plan that recommends priority corrective actions and compliance schedules addressing point and nonpoint sources of pollution to restore and maintain the chemical, physical, and biological integrity of the estuary, including restoration and maintenance of water quality, a balanced indigenous population of shellfish, fish and wildlife, and recreational activities in the estuary, and assure that the designated uses of the estuary are protected.
- Purpose 5. Develop plans for the coordinated implementation of the plan by the States as well as Federal and local agencies participating in the conference.
- Purpose 6. Monitor the effectiveness of actions taken pursuant to the plan.
- Purpose 7. Review all Federal financial assistance programs and Federal development projects in accordance with the requirements of Executive Order 12372, as in effect on September 17, 1983, to determine whether such assistance program or project would be consistent with and further the purposes and objectives of the plan(s) prepared under this section.